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ABSTRACT

Data regarding the utilization of instructional space, including laboratories and physical education rooms, are reported in three sections--(1) space utilization by resident day classes only as of Fall 1968, (2) space utilization by resident evening classes only as of Fall 1968, and (3) a comparison of the Fall 1967 and Fall 1968 data for resident day classes. The analyses are based on quantitative data only and are not concerned with the quality of instructional space. (FS)

ED037934

UTILIZATION OF INSTRUCTIONAL SPACE

state-controlled
colleges and universities
1968-69

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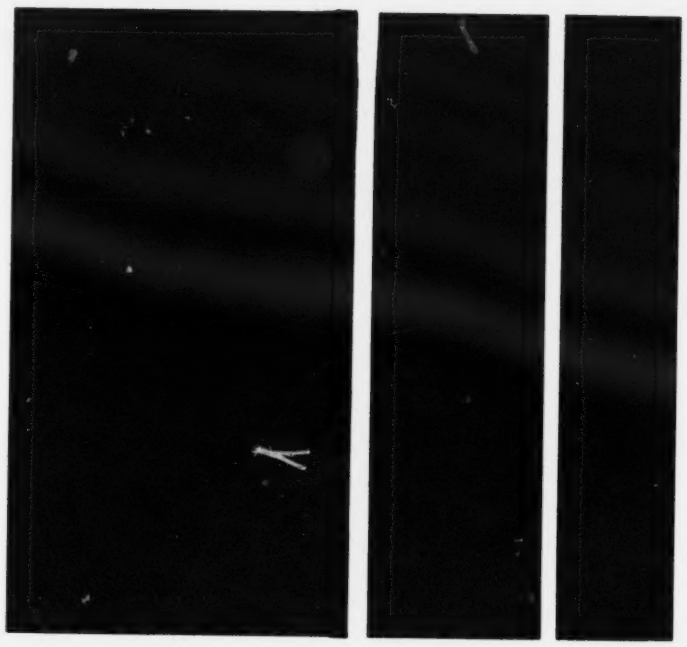

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INSTITUTIONS INCLUDED IN THIS REPORT

Four-Year Colleges and Universities

George Mason College, Fairfax
Longwood College, Farmville
Madison College, Harrisonburg
Mary Washington College, Fredericksburg
Norfolk State College, Norfolk[a]
Old Dominion College, Norfolk
Radford College, Radford
University of Virginia, Charlottesville
Virginia Commonwealth University, Richmond[b]
Virginia Military Institute, Lexington
Virginia Polytechnic Institute, Blacksburg
Virginia State College, Petersburg
William and Mary, Williamsburg

Two-Year Colleges

Divisions of the State Department of Community Colleges

Blue Ridge Community College, Weyers Cave
Central Virginia Community College, Lynchburg
Dabney S. Lancaster Community College, Clifton Forge
Danville Community College, Danville
Frederick Community College, Portsmouth
John Tyler Community College, Chester
Northern Virginia Community College, Annandale
Southwest Virginia Community College, Richlands
Thomas Nelson Community College, Hampton
Virginia Western Community College, Roanoke
Wytheville Community College, Wytheville

Institutions Affiliated with the University of Virginia

Clinch Valley College, Wise[c]
Eastern Shore Branch, Wallops Island
Patrick Henry College, Martinsville

Institutions Affiliated with William and Mary

Christopher Newport College, Newport News
Richard Bland College, Petersburg

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[a]The name of Virginia State College, Norfolk was changed to Norfolk State College on February 1, 1969.

[b]On July 1, 1968, Medical College of Virginia and Richmond Professional Institute were combined to form Virginia Commonwealth University.

[c]Clinch Valley College is in transition to a four-year status; third-year courses were offered during the 1968-69 academic year.

INTRODUCTION

As part of a comprehensive planning study funded by the Division of College Facilities of the U. S. Office of Education, the State Council of Higher Education for Virginia conducted during the fiscal year ending June 30, 1969, a comprehensive study of higher education facilities in Virginia. Designed to provide information relating to existing facilities as of the Fall 1968, the study provides data useful in forecasting future construction needs for higher education in Virginia.

An analysis of the utilization of existing space is a basic factor in the determination of long-range physical facilities needs. Such a study can provide insightful data on the use of existing facilities which may be of assistance to institutions in obtaining greater utilization in future years. Moreover, a study of this nature is essential to the review of space utilization standards established as guides for determining future construction needs to meet anticipated increases in enrollment in higher education in Virginia.

A State Council of Higher Education report, published in December, 1968, entitled Utilization of Instructional Space at Virginia's Colleges presented comprehensive summary analyses in separate tables for three types of instructional space, those being classrooms, laboratories and physical education rooms. Reflecting the utilization of existing facilities as of the Fall 1967, the data from that report appear in Section III of this report for purposes of comparison.

This report of the utilization of classrooms, laboratories and physical education rooms represents only one of the facility planning activities conducted by the State Council with support from the U. S. Office of Education grant.

SCOPE OF REPORT

The data which appear in this report were obtained from a study of the physical plants and the regularly scheduled resident classes taught at the state-controlled colleges and universities in Virginia. Excluded from the study are data on leased or rented facilities and resident class instruction conducted in these non-state owned facilities. The Health Sciences Division of Virginia Commonwealth University, the Departments of Marine Science and Medical Instruction and related facilities at the University of Virginia, the School of Marine Science at William and Mary, and the Virginia Associated Research Center have also been excluded from the study.

This report reflects the utilization of instructional space for classrooms, laboratories, and physical education space only. Therefore, for the purposes of this study, those scheduled classes held in facilities not classified as one of these instructional spaces have been omitted. Utilization of other instructional space, such as special class laboratories, faculty offices, and instructional service areas have been excluded from these analyses.

The data appearing in this report indicate the utilization of instructional space in three classifications by both the resident day classes taught and the resident evening classes taught. The time period has been divided into ten 50-minute periods with 10-minute intervals between periods. The evening time period has been divided into six 50-minute periods with 10-minute intervals between classes. This division provides a common daytime basis for comparison of data and indicates the degree of evening usage of space in all of the institutions. Where necessary, appropriate adjustments have been made in the data to equate them to 50-minute periods.

The total instructional space included in this report is 2,386,372 assignable square feet and is divided into the areas of classrooms, laboratories, and physical education rooms. The total instructional classroom space analyzed in this report is 987,727 assignable square feet. This figure represents 26.3 per cent of the total instructional space and 15.6 per cent of the total educational and general space in the state-controlled institutions in Virginia.

The 903,296 assignable square feet of instructional laboratory space considered in this report is 24.1 per cent of the total instructional space and 14.2 per cent of the total education and general space.

For physical education instructional space, the 495,349 assignable square feet constitutes 13.2 per cent of the total instructional space and 7.8 per cent of the total educational and general space.

The analyses that appear in this report are based on quantitative data only and do not reflect the quality of instructional space in any of the three classifications.

This report is divided into three sections. The first section presents data relating to the utilization of instructional space by resident day classes only. The second section presents data relating to the utilization of resident evening classes only. The third section compares figures on resident day classes for Fall 1967 and Fall 1968.

DEFINITIONS OF TERMS

Period--A unit of time approximating one hour during which time a class would be assembled. For the purposes of this study, a normal class period consisted of 50 minutes of instruction with an allowance of 10 minutes for changing classes. A scheduled class meeting of two consecutive hours, or a total of 110 minutes, was considered as two class periods. Classes meeting in other time patterns were included in this study as proportional parts of the standard 50-minute period. For example, a class meeting scheduled for 75 minutes has been included in this study as 1.5 class periods.

Room-Period Use--The number of periods (usually interpreted as hours) that a room is occupied by a class. A room, for the purposes of this report, was considered in use whenever a regularly scheduled class was held in it regardless of the relationship of the seating capacity of the room to the student enrollment of the class.

Average Room-Period Use Per Week--An average determined by dividing the total number of room-periods scheduled per week by the total number of rooms.

Student Station--The area used to accommodate one student for one period of instruction. It is normally considered to be the area occupied by a desk, chair, laboratory table, or other suitable furnishing.

Student-Station-Periods Occupied--The number of student stations that are occupied in a given time period. For example, the occupancy of one student station for one room-period would represent one student-station-period occupied.

Average Student-Station-Periods Per Station Per Week--The average number of room-periods that a student station is used per week as obtained by dividing the total student-station-periods by the total number of student stations.

Per Cent of Station Use Per Week When Rooms in Use--A measure of how nearly the total student stations in a room are filled only during those periods that regularly scheduled classes are held in the room. Those periods when rooms are not used are disregarded in obtaining this computation.

Class Enrollment--The number of students enrolled in a class. This figure includes all students who require accommodations in the place where the class met, whether they are enrolled for credit or as auditors. Further, the total group of students meeting in the same room and at the same time have been considered as a single class, irrespective of the courses in which they are enrolled.

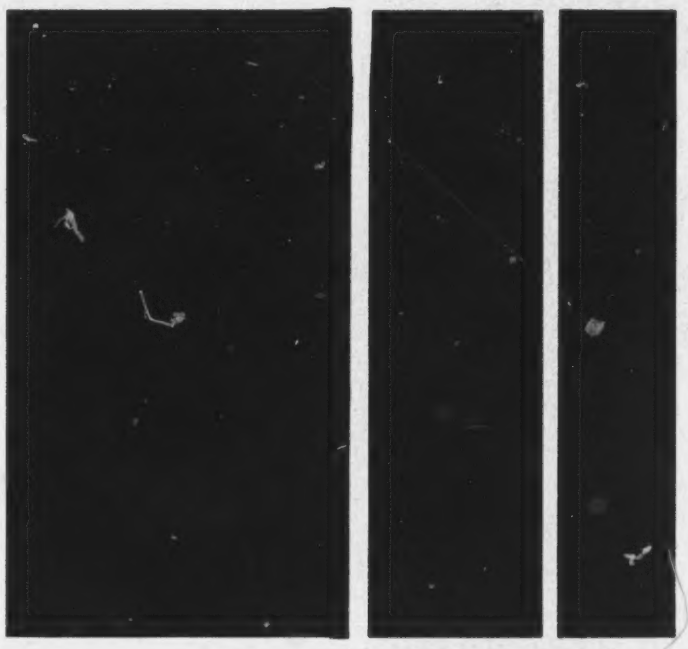
Classroom--A room used by classes which do not require special purpose equipment for student use. Included in this category are rooms generally referred to as lecture rooms, seminar rooms, lecture-demonstration rooms, and general purpose classrooms.

Laboratory--A room used by regularly scheduled classes which require special-purpose equipment for student participation, experimentation, observation, or practice in a field of study. Also includes rooms equipped with laboratory-type equipment and used for research purposes.

Athletic-Physical Education Facilities--A room (or area) used by students, staff, or the public for athletic activities. Included in this category are gymnasiums, basketball courts, handball courts, squash courts, wrestling rooms, swimming pools, ice rinks, indoor "fields," etc.

1

The tables which appear in this section present a summary of room-period and student-station-period utilization of instructional space for classrooms, laboratories and physical education rooms. The data presented in these tables relate to regularly scheduled resident day classes only (7 a.m. to 5 p.m.) and were derived from two sources of information. Initially, information concerning such items as room number, functional use, room type, square footage, and number of stations for each room at each institution was obtained in a room-by-room inventory for the fall semester or quarter. Secondly, information relating to items such as course number, credit value, enrollment, days of the week, hours of the day, building and room number of each regularly scheduled resident class taught for the fall semester or quarter 1968 was obtained from each institution as a part of the State Council's data collection system. By cross referencing these basic sources, information on student-station occupancy and room-period use by room was obtained.



SUMMARY UTILIZATION TABLES OF CLASSROOMS, LABORATORIES, AND PHYSICAL EDUCATION ROOMS– DAY CLASSES ONLY

An institution-by-institution analysis of classroom utilization of resident day classes taught at Virginia's state-controlled colleges and universities is presented in Table 1. The third column of Table 1 shows the average room-period use per week for each institution. It can be seen from that column that institutional daytime utilization ranged from a low of 6.2 periods at Eastern Shore Branch to a high of 40.6 periods at Virginia Western Community College. In other words, Eastern Shore Branch used their classrooms, on the average, 6.2 hours a week while Virginia Western Community College used their classrooms 40.6 hours a week. The average for all institutions is 22.7 periods per week from 7 a.m. to 5 p.m.

Column six presents average student-station-period use per station per week. The range in average student-station-periods per station per week is from a low of 5.0 at Eastern Shore Branch to a high of 29.5 at Virginia Western Community College. The average for all institutions is 13.3 student-station-periods per station per week.

The per cent of station use per week when rooms are in use is shown in column seven of Table 1. The hours when rooms are not used are disregarded in this calculation. The range here is from a low of 28.1 per cent at Richard Bland College to a high of 80.6 per cent at Eastern Shore Branch and the average for all institutions is 58.6 per cent.

The student-station-periods occupied per week per full-time-equivalent student (column eight) is a statistic that represents the average number of hours per week that a student who is carrying a full load (15 semester hours represents one FTE student) will occupy a seat in a classroom. This figure is obtained by dividing the total student-station-periods occupied per week by the "day" FTE students. The average for all institutions is 12.3 periods. Examination of the data will show that student-station-period use per FTE student varies from 15 (the number of semester hours for a FTE student) for each institution. This is explained by the fact that students spend a certain amount of their in-class time in rooms other than those classified as classrooms.

The last column of Table 1 presents the square feet per student-station-period occupied. It is derived by dividing the total square feet of instructional classroom space by the total student-station-periods occupied per week. The average for all institutions is 1.3 square feet.

TABLE 1 - SUMMARY OF CLASSROOM UTILIZATION (DAY CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Number of Student Stations	5 Total Student-Station-Periods Occupied Per Week	6 Average Student-Station-Periods Per Station Per Week	7 Per Cent of Station Use Per Week When Room in Use	8 Student-Station-Periods Occupied Per Week Per FTE Student	9 Square Feet Per Student-Station-Period Occupied
4-Yr. Col. & Univ.:									
Geo. Mason	24	815	34.0	990	19,309	19.5	57.4	14.2	0.7
Longwood	65	1,088	16.7	2,072	24,583	11.9	71.3	13.5	1.6
Madison	64	1,409	22.0	2,449	35,812	14.6	66.4	10.8	1.3
MWC	65	1,885	29.0	2,442	30,407	12.5	43.1	14.1	1.4
Norfolk State	87	2,274	26.1	3,499	47,431	13.6	52.1	14.6	1.2
Old Dominion	99	2,495	25.2	4,063	67,429	16.6	65.9	12.6	1.0
Radford	77	1,611	20.9	2,621	39,940	15.2	72.7	11.9	1.3
U. Va.	171	3,581	20.9	8,625	96,899	11.2	53.6	11.4	1.4
VCU	89	2,069	23.2	3,579	55,096	15.4	66.4	10.8	1.0
VMI	80	1,020	12.8	3,597	19,325	5.4	42.2	13.8	3.3
VPI	155	4,108	26.5	6,861	135,306	19.7	74.3	12.5	0.8
Va. State	76	1,227	16.1	3,308	25,867	7.8	48.4	11.1	2.1
Wm. & Mary	96	1,870	19.5	4,776	43,028	9.0	46.2	10.8	1.8
4-Yr. Col. & Univ.	1,148	25,452	22.2	48,882	640,432	13.1	59.0	12.1	1.3
Community Col.:									
Blue Ridge CC	14	360	25.7	509	10,547	20.7	80.5	16.4	0.9
Central Va. CC	12	290	24.2	374	5,993	16.0	66.1	10.1	1.1
D. Lancaster CC	5	168	33.6	199	2,764	13.9	41.4	10.8	1.3
Danville CC	30	432	14.4	1,033	10,661	10.3	71.5	12.0	2.1
Frederick CC	26	410	15.8	598	4,992	8.3	52.8	10.9	3.3
John Tyler CC	22	659	30.0	719	15,484	21.5	71.7	14.7	0.9
Northern Va. CC	18	616	34.2	778	16,209	20.8	60.8	12.7	0.8
Southwest Va. CC	12	412	34.3	347	7,654	22.1	64.4	13.4	0.9
T. Nelson CC	15	417	27.8	479	9,124	19.0	68.3	10.7	1.1
Va. Western CC	16	649	40.6	485	14,287	29.5	72.7	13.3	0.6
Wytheville CC	8	208	26.0	402	5,589	13.9	53.5	14.9	1.0
Community Col.	178	4,621	26.0	5,923	103,304	17.4	67.0	12.9	1.1
2-Yr. Branch Col.:									
C. Newport	20	338	16.9	1,087	7,991	7.4	43.8	17.2	2.2
Cl. Valley	15	560	37.3	668	8,586	12.9	34.6	13.8	1.3
E. Shore	14	87	6.2	244	1,217	5.0	80.6	16.9	3.1
Pat. Henry	5	146	29.2	177	1,896	10.7	36.6	15.9	1.7
R. Bland	22	595	27.0	896	6,827	7.6	28.1	16.1	2.5
2-Yr. Branch Col.	76	1,726	22.7	3,072	26,517	8.6	37.9	15.8	2.0
All Institutions	1,402	31,799	22.7	57,877	770,253	13.3	58.6	12.3	1.3

Table 2 presents an institution-by-institution analysis of the utilization of instructional laboratories at the state-controlled colleges and universities in Virginia. Examination of the data appearing in Table 2 reveals that instructional laboratories are not scheduled as heavily as classrooms. This is not unusual since such space has special equipment for use by the department to which it is assigned and thereby the laboratory may not be physically suited for other purposes.

The average room-period use is presented in the third column of Table 2. The average for all state-controlled institutions is 9.0 periods per week of room usage during the fall semester or quarter 1968. The individual institutions ranged from a low of 2.0 hours a week of laboratory usage at Eastern Shore Branch to a high of 30.9 hours a week at Northern Virginia Community College during that session.

From the sixth column of Table 2, it can be seen that the range in the average student-station-periods per station per week is from a low of 2.1 at Eastern Shore Branch to a high of 24.2 at Northern Virginia Community College. The average for all 29 institutions is 9.9 student-station-periods occupied per week.

The student-station-periods occupied per week per full-time-equivalent student for instructional laboratories is determined in the same manner as that calculated for instructional classrooms. Column seven of Table 2 reveals that the average student-station-periods occupied per week per "day" FTE student for all institutions is 3.4 periods.

The square feet per student-station-period occupied is presented in the last column of Table 2. Examination of this column shows that the average for all institutions is 4.2 square feet. This figure is understandably higher than the average for instructional classrooms.

TABLE 2 - SUMMARY OF LABORATORY UTILIZATION (DAY CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Number of Student Stations	5 Total Student-Station-Periods Occupied Per Week	6 Average Student-Station-Periods Per Station Per Week	7 Student-Station-Periods Occupied Per Week Per FTE Student	8 Square Feet Per Student-Station-Period Occupied
4-Yr. Col. & Univ.:								
Geo. Mason	10	111	11.1	277	2,509	9.1	1.8	4.1
Longwood	38	173	4.6	916	3,326	3.6	1.8	6.2
Madison	51	408	8.0	732	8,304	11.3	2.5	3.4
MWC	34	219	6.4	728	3,601	4.9	1.7	7.0
Norfolk State	34	569	16.7	918	17,430	19.0	5.4	2.4
Old Dominion	71	800	11.3	1,372	15,712	11.5	2.9	3.6
Radford	19	240	12.6	393	4,893	12.5	1.5	3.0
U. Va.	142	922	6.5	2,693	25,641	9.5	3.0	4.5
VCU	100	1,338	13.4	1,943	29,551	15.2	5.8	2.5
VMI	59	194	3.3	1,704	4,438	2.6	3.2	16.3
VPI	158	1,163	7.4	3,146	29,904	9.5	2.8	5.8
Va. State	100	838	8.4	1,888	11,788	6.2	5.1	5.5
Wm. & Mary	117	391	3.3	1,336	12,847	9.6	3.2	4.5
4-Yr. Col. & Univ.	933	7,366	7.9	18,046	169,944	9.4	3.2	4.4
Community Col.:								
Blue Ridge CC	6	115	19.2	152	2,221	14.6	3.4	2.1
Central Va. CC	16	197	12.3	360	3,516	9.8	5.9	4.5
D. Lancaster CC	5	119	23.8	129	1,773	13.7	6.9	3.0
Danville CC	24	392	16.3	615	8,407	13.7	9.0	4.1
Frederick CC	13	109	8.4	303	1,695	5.6	3.7	4.7
John Tyler CC	9	177	19.7	197	3,033	15.4	2.9	3.3
Northern Va. CC	9	278	30.9	244	5,905	24.2	4.6	1.7
Southwest Va. CC	4	88	22.0	96	1,846	19.2	3.2	2.0
T. Nelson CC	10	154	15.4	280	3,215	11.5	3.8	2.6
Va. Western CC	18	283	15.7	279	5,510	19.7	5.1	2.3
Wytheville CC	5	111	22.2	147	2,509	17.1	4.3	1.8
Community Col.	119	2,023	17.0	2,802	39,630	14.1	4.8	3.0
2-Yr. Branch Col.:								
C. Newport	8	88	11.0	168	1,540	9.2	3.3	5.5
Cl. Valley	9	108	12.0	218	1,903	8.7	3.1	4.7
E. Shore	3	6	2.0	58	122	2.1	1.7	10.9
Pat. Henry	1	19	19.0	24	326	13.6	2.7	2.1
R. Bland	14	193	13.8	325	1,771	5.4	4.2	7.2
2-Yr. Branch Col.	35	414	11.8	793	5,662	7.1	3.3	5.7
All Institutions	1,087	9,803	9.0	21,641	215,236	9.9	3.4	4.2

The utilization of physical education space by institution is depicted in Table 3. Column headings relating to the number of student stations which are found on Tables 1 and 2 have been omitted from Table 3. The reason for this omission is that, because of the nature of the space, the number of student stations for physical education space are not reported by the institutions.

The average room-period use per week shows that individual institutions ranged from a low of 4.7 periods at Virginia Military Institute to a high of 43.5 periods at Radford. The average for all institutions is 18.2 room-periods used per week. It should be noted that Frederick Community College, formerly a privately controlled institution, was donated to the Commonwealth of Virginia to become a community college in July, 1968.

The average student-station-periods occupied per week per "day" FTE student for all institutions is 0.6 periods.

Presented on the last column of Table 3 is the square feet per student-station-period occupied. It shows that the average for all institutions is 12.1 square feet.

TABLE 3 - SUMMARY OF PHYSICAL EDUCATION UTILIZATION (DAY CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Total Student-Station-Periods Occupied Per Week	5 Student-Station-Periods Occupied Per Week Per FTE Student	6 Square Feet Per Student-Station-Period Occupied
4-Yr. Col. & Univ.:						
Geo. Mason	1	6	6.0	132	0.1	7.1
Longwood	2	64	32.0	1,548	0.9	5.4
Madison	4	144	36.0	3,376	1.0	4.3
MWC	6	180	30.0	2,849	1.3	4.9
Norfolk State	4	160	40.0	2,994	0.9	7.3
Old Dominion	5	166	33.2	7,355	1.4	1.9
Radford	2	87	43.5	1,905	0.6	7.1
U. Va.	12	95	7.9	3,058	0.4	10.1
VCU	2	48	24.0	1,193	0.2	7.5
VMI	7	33	4.7	1,122	0.8	34.2
VPI	6	171	28.5	6,216	0.6	4.4
Va. State	4	79	19.8	1,589	0.7	15.7
Wm. & Mary	10	208	20.8	4,207	1.1	10.0
4-Yr. Col. & Univ.	65	1,441	22.2	37,544	0.7	6.9
Community Col.:						
Blue Ridge CC	--	--	--	--	--	--
Central Va. CC	--	--	--	--	--	--
D. Lancaster CC	--	--	--	--	--	--
Danville CC	--	--	--	--	--	--
Frederick CC	5	22	4.4	570	1.2	350.9
John Tyler CC	--	--	--	--	--	--
Northern Va. CC	--	--	--	--	--	--
Southwest Va. CC	--	--	--	--	--	--
T. Nelson CC	--	--	--	--	--	--
Va. Western CC	--	--	--	--	--	--
Wytheville CC	--	--	--	--	--	--
Community Col.	5	22	4.4	570	0.1	350.9
2-Yr. Branch Col.:						
C. Newport	6	55	9.2	1,280	2.8	13.6
Cl. Valley	10	54	5.4	906	1.5	16.4
E. Shore	--	--	--	--	--	--
Pat. Henry	--	--	--	--	--	--
R. Bland	2	28	14.0	508	1.2	7.7
2-Yr. Branch Col.	18	137	7.6	2,694	1.6	13.5
All Institutions	88	1,600	18.2	40,808	0.6	12.1

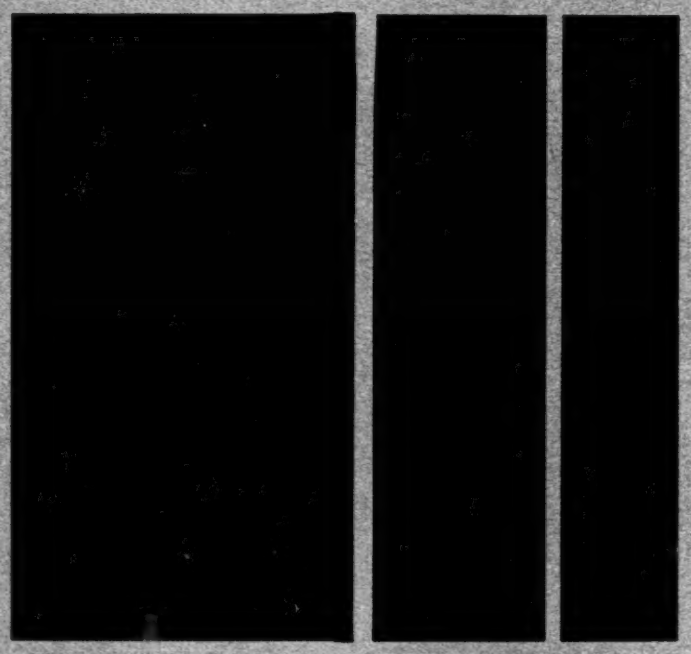
2

Presented in this section are tables which relate utilization data for evening classes only (5 p.m. to 11 p.m.) for each of the three types of instructional facilities. As explained in Section I, the data were derived from information obtained in a cross referencing of the resident classes taught with a room-by-room inventory for each institution. Classes which begin prior to 5 p.m. are day classes and comprise Section I of this report. They have been excluded from this section of the study. It should be noted that urban institutions have the opportunity to make greater use of their space in the evenings than those institutions which are not located in urban areas. This factor is reflected in the higher utilization figures in the evening for Old Dominion, VCU and the community colleges.

Table 4 presents a summary of classroom utilization for evening classes. The average room-period use ranges from a low of 0.1 per week to a high of 14.7 per week. The average for all institutions was 2.8 periods per week from 5 p.m. to 11 p.m.

Data relating to laboratory utilization of evening classes are presented in Table 5. The average room-period use for all institutions is 0.9 periods per week.

Table 6 presents the utilization of physical education space for each institution from 5 p.m. to 11 p.m. The average room-period use per week for all institutions is 0.6 periods.



SUMMARY UTILIZATION TABLES OF CLASSROOMS, LABORATORIES, AND PHYSICAL EDUCATION ROOMS– EVENING CLASSES ONLY

TABLE 4 - SUMMARY OF CLASSROOM UTILIZATION (EVENING CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Number of Student Stations	5 Total Student-Station-Periods Occupied Per Week	6 Average Student-Station-Periods Per Station Per Week	7 Per Cent of Station Use Per Week When Room in Use	8 Student-Station-Periods Occupied Per Week Per FTE Student
4-Yr. Col. & Univ.:								
Geo. Mason	24	9	0.4	990	203	0.2	51.3	10.7
Longwood	65	26	0.4	3,072	541	0.3	65.3	18.0
Madison	64	108	1.7	2,449	2,469	1.0	59.3	14.8
MWC	65	8	0.1	2,442	215	0.1	88.0	11.3
Norfolk State	87	291	3.3	3,499	4,632	1.3	40.1	20.7
Old Dominion	99	805	8.1	4,063	15,312	3.8	46.5	14.0
Radford	77	84	1.1	2,621	1,886	0.7	65.4	10.8
U. Va.	171	157	0.9	8,625	2,668	0.3	34.4	7.6
VCU	89	782	8.8	3,579	18,814	5.3	59.7	13.1
VMI	80	--	--	3,597	--	--	--	--
VPI	155	28	0.2	6,861	455	0.1	33.2	10.1
Va. State	76	92	1.2	3,308	1,064	0.3	28.6	11.1
Wm. & Mary	96	174	1.8	4,776	3,345	0.7	38.9	12.1
4-Yr. Col. & Univ.	1,148	2,564	2.2	48,882	51,604	1.1	48.0	13.1
Community Col.:								
Blue Ridge CC	14	90	6.4	509	2,551	5.0	78.3	15.6
Central Va. CC	12	103	8.6	374	1,779	4.8	55.3	10.6
D. Lancaster CC	5	45	9.0	199	596	3.0	33.3	10.5
Danville CC	30	20	0.7	1,033	536	0.5	74.1	12.8
Frederick CC	26	61	2.3	598	578	1.0	42.0	11.6
John Tyler CC	22	173	7.9	719	3,125	4.3	55.0	16.2
Northern Va. CC	18	264	14.7	778	6,188	8.0	54.1	14.2
Southwest Va. CC	12	93	7.8	347	1,662	4.8	61.4	17.3
T. Nelson CC	15	68	4.5	479	1,842	3.8	85.5	18.2
Va. Western CC	16	138	8.6	485	3,292	6.8	78.9	14.6
Wytheville CC	8	44	5.5	402	607	1.5	27.5	12.4
Community Col.	178	1,099	6.2	5,923	22,756	3.8	62.0	14.4
2-Yr. Branch Col.:								
C. Newport	20	95	4.8	1,087	2,552	2.3	48.9	18.6
Cl. Valley	15	4	0.3	668	97	0.1	48.4	13.9
E. Shore	14	30	2.1	244	532	2.2	103.8	15.2
Pat. Henry	5	42	8.4	177	757	4.3	50.9	13.8
R. Bland	22	27	1.2	896	503	0.6	46.8	18.0
2-Yr. Branch Col.	76	198	2.6	3,072	4,441	1.4	55.6	17.0
All Institutions	1,402	3,861	2.8	57,877	78,801	1.4	48.6	13.6

TABLE 5 - SUMMARY OF LABORATORY UTILIZATION (EVENING CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Number of Student Stations	5 Total Student-Station-Periods Occupied Per Week	6 Average Student-Station-Periods Per Station Per Week	7 Student-Station-Periods Occupied Per Week Per FTE Student
4-Yr. Col. & Univ.:							
Geo. Mason	10	8	0.8	277	173	0.6	9.1
Longwood	38	--	--	916	--	--	--
Madison	51	5	0.1	732	98	0.1	0.6
MWC	34	7	0.2	728	143	0.2	7.5
Norfolk State	34	28	0.8	918	285	0.3	1.3
Old Dominion	71	97	1.4	1,372	2,190	1.6	2.0
Radford	19	41	2.2	393	1,107	2.8	6.4
U. Va.	142	33	0.2	2,693	869	0.3	2.5
VCU	100	278	2.8	1,943	4,717	2.4	3.3
VMI	59	--	--	1,704	--	--	--
VPI	158	17	0.1	3,146	601	0.2	13.4
Va. State	100	30	0.3	1,888	799	0.4	8.3
Wm. & Mary	117	3	0.0	1,336	156	0.1	0.6
4-Yr. Col. & Univ.	933	547	0.6	18,046	11,138	0.6	2.8
Community Col.:							
Blue Ridge CC	6	42	7.0	152	514	3.4	3.1
Central Va. CC	16	59	3.7	360	930	2.6	5.5
D. Lancaster CC	5	35	7.0	129	570	4.4	10.0
Danville CC	24	19	0.8	615	504	0.8	12.0
Frederick CC	13	12	0.9	303	108	0.4	2.2
John Tyler CC	9	52	5.8	197	686	3.5	3.6
Northern Va. CC	9	127	14.1	244	1,856	7.6	4.3
Southwest Va. CC	4	3	0.8	96	51	0.5	0.5
T. Nelson CC	10	12	1.2	280	230	0.8	2.3
Va. Western CC	18	51	2.8	279	922	3.3	4.1
Wytheville CC	5	9	1.8	147	164	1.1	3.3
Community Col.	119	421	3.5	2,802	6,535	2.3	4.1
2-Yr. Branch Col.:							
C. Newport	8	11	1.4	168	231	1.4	1.7
Cl. Valley	9	--	--	218	--	--	--
E. Shore	3	3	1.0	58	90	1.6	2.6
Pat. Henry	1	9	9.0	24	164	6.8	3.0
R. Bland	14	3	0.2	325	40	0.1	1.4
2-Yr. Branch Col.	35	26	0.7	793	525	0.7	2.0
All Institutions	1,087	994	0.9	21,641	18,198	0.8	3.1

TABLE 6 - SUMMARY OF PHYSICAL EDUCATION ROOM UTILIZATION (EVENING CLASSES ONLY)

Institution	1 Number of Rooms	2 Total Room-Periods Used Per Week	3 Average Room-Period Use Per Week	4 Total Student-Station-Periods Occupied Per Week	5 Student-Station-Periods Occupied Per Week Per FTE Student
4-Yr. Col. & Univ.:					
Geo. Mason	1	--	--	--	--
Longwood	2	--	--	--	--
Madison	4	2	0.5	53	0.3
MWC	6	--	--	--	--
Norfolk State	4	3	0.8	3	0.0
Old Dom.	5	16	3.2	427	0.4
Radford	2	12	6.0	407	2.3
U. Va.	12	9	0.8	72	0.2
VCU	2	12	6.0	129	0.1
VMI	7	--	--	--	--
VPI	6	--	--	--	--
Va. State	4	--	--	--	--
Wm. & Mary	10	--	--	--	--
4-Yr. Col. & Univ.	65	54	0.8	1,091	0.3
Community Col.:					
Blue Ridge CC	--	--	--	--	--
Central Va. CC	--	--	--	--	--
D. Lancaster CC	--	--	--	--	--
Danville CC	--	--	--	--	--
Frederick CC	5	3	0.6	93	1.9
John Tyler CC	--	--	--	--	--
Northern Va. CC	--	--	--	--	--
Southwest Va. CC	--	--	--	--	--
T. Nelson CC	--	--	--	--	--
Va. Western CC	--	--	--	--	--
Wytheville CC	--	--	--	--	--
Community Col.	5	3	0.6	93	0.1
2-Yr. Branch Col.:					
C. Newport	6	--	--	--	--
Cl. Valley	10	--	--	--	--
E. Shore	--	--	--	--	--
Pat. Henry	--	--	--	--	--
R. Bland	2	--	--	--	--
2-Yr. Branch Col.	18	--	--	--	--
All Institutions	88	57	0.6	1,184	0.2

3

This section presents tables which summarize the utilization of classrooms, laboratories and physical education rooms for the fall semester or quarter 1967 and the fall semester or quarter 1968. The data which appear in these tables reflect the utilization of space by day classes only (7 a.m. to 5 p.m.). All evening class data have been excluded from this section.

The data for Virginia Commonwealth University represent the General Academic Division only. The Health Sciences Division was omitted in both the 1967 and 1968 reports. Also excluded from the 1967 report were six community colleges which did not begin operation until Fall 1968. This reflected when comparing the total figures of the community colleges for Fall 1967 and Fall 1968. Further, a 2-year branch college merged with the Danville Community College July 1, 1968, and, therefore, the 1968 total figures for the 2-year branch colleges do not include this institution.

COMPARISON OF SUMMARY UTILIZATION DATA OF CLASSROOMS, LABORATORIES, AND PHYSICAL EDUCATION ROOMS FOR FALL 1967, AND 1968– DAY CLASSES ONLY

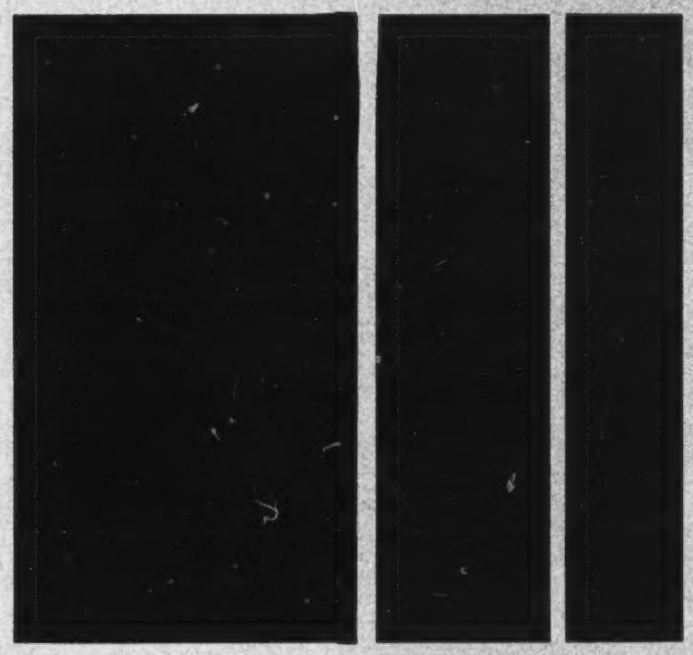


TABLE 7 - COMPARISON OF SUMMARY OF CLASSROOM UTILIZATION DATA FOR FALL 1967 AND FALL 1968 (DAY CLASSES ONLY)

Institution	1 Number of Rooms		2 Total Room-Periods Used Per Week		3 Average Room-Period Use Per Week		4 Number of Student Stations		5 Total Student-Station-Periods Occupied Per Week		6 Average Student-Station-Periods Per Station Per Week		7 Per Cent of Station Use Per Week When Room in Use		8 Student-Station-Periods Occupied Per Week Per FTE Student		9 Square Feet Per Student-Station-Period Occupied	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
4-Yr. Col. & Univ.:																		
Geo. Mason	23	24	595	815	25.9	34.0	1,459	990	14,556	19,309	10.0	19.5	38.5	57.4	13.7	14.2	1.5	0.7
Longwood	73	65	968	1,088	13.3	16.7	2,299	2,072	22,093	24,583	9.6	11.9	72.3	71.3	12.5	13.5	2.0	1.6
Madison	75	64	1,136	1,409	15.1	22.0	2,756	2,449	30,052	35,812	10.9	14.6	72.2	66.4	10.4	10.8	1.9	1.3
MWC	67	65	1,750	1,885	26.1	29.0	2,558	2,442	30,818	30,407	12.0	12.5	46.2	43.1	13.5	14.1	1.7	1.4
Norfolk State	82	87	1,867	2,274	22.8	26.1	3,309	3,499	43,981	47,431	13.3	13.6	58.3	52.1	14.9	14.6	1.2	1.2
Old Dominion	98	99	2,263	2,495	23.1	25.2	4,799	4,063	65,455	67,429	13.6	16.6	59.0	65.9	12.5	12.6	1.0	1.0
Radford	68	77	1,526	1,611	22.4	20.9	2,086	2,621	40,097	39,940	19.2	15.2	85.8	72.7	11.9	11.9	1.1	1.3
U. Va.	148	171	2,756	3,581	18.6	20.9	7,413	8,625	83,144	96,899	11.2	11.2	60.3	53.6	10.4	11.4	1.4	1.4
VCU	84	89	1,545	2,069	18.4	23.2	3,552	3,579	43,656	55,096	12.3	15.4	66.8	66.4	8.3	10.8	1.2	1.0
VMI	77	80	880	1,020	11.4	12.8	3,561	3,597	18,162	19,325	5.1	5.4	44.7	42.2	12.8	13.8	3.4	3.3
VPI	149	155	3,601	4,108	24.2	26.5	6,684	6,861	120,522	135,306	18.0	19.7	74.5	74.3	12.3	12.5	0.9	0.8
Va. State	83	76	1,227	1,227	14.8	16.1	3,568	3,308	24,801	25,867	7.0	7.8	47.0	48.4	12.4	11.1	2.4	2.1
Wm. & Mary	98	96	1,720	1,870	18.3	19.5	4,461	4,776	42,754	43,028	9.6	9.0	52.4	46.2	11.4	10.8	1.7	1.8
4-Yr. Col. & Univ.	1,121	1,148	21,834	25,452	19.5	22.2	48,505	48,882	580,091	640,432	12.0	13.1	61.3	59.0	11.6	12.1	1.4	1.3
Community Col.:																		
Blue Ridge CC	14	14	260	360	18.6	25.7	509	509	8,215	10,547	16.1	20.7	86.8	80.5	13.8	16.4	1.1	0.9
Central Va. CC	--	12	--	290	--	24.2	--	374	--	5,993	--	16.0	--	66.1	--	10.1	--	1.1
D. Lancaster CC	4	5	125	168	31.3	33.6	164	199	2,203	2,764	13.4	13.9	42.9	41.4	11.3	10.8	1.4	1.3
Danville CC	--	30	--	432	--	14.4	--	1,033	--	10,661	--	10.3	--	71.5	--	12.0	--	2.1
Frederick CC	--	26	--	410	--	15.8	--	598	--	4,992	--	8.3	--	52.8	--	10.9	--	3.3
John Tyler CC	18	22	474	659	26.3	30.0	633	719	11,263	15,484	17.8	21.5	67.7	71.7	14.2	14.7	1.0	0.9
Northern Va. CC	18	18	268	616	14.9	34.2	749	778	6,670	16,209	8.9	20.8	59.8	60.8	4.4	12.7	2.2	0.8
Southwest Va. CC	--	12	--	412	--	34.3	--	347	--	7,654	--	22.1	--	64.4	--	13.4	--	0.9
T. Nelson CC	--	15	--	417	--	27.8	--	479	--	9,124	--	19.0	--	68.3	--	10.7	--	1.1
Va. Western CC	16	16	489	649	30.6	40.6	472	485	12,047	14,287	25.5	29.5	83.4	72.7	11.7	13.3	0.7	0.6
Wytheville CC	--	8	--	208	--	26.0	--	402	--	5,589	--	13.9	--	53.5	--	14.9	--	1.0
Community Col.	70	178	1,616	4,621	23.1	26.0	2,527	5,923	40,398	103,304	16.0	17.4	69.2	67.0	9.8	12.9	1.2	1.1
2-Yr. Branch Col.:																		
C. Newport	16	20	278	338	17.4	16.9	988	1,087	7,148	7,991	7.2	7.4	41.6	43.8	13.9	17.2	2.0	2.2
Cl. Valley	12	15	346	560	28.8	37.3	573	668	7,071	8,586	12.3	12.9	42.8	34.6	14.3	13.8	1.2	1.3
Danville	7	--	128	--	18.3	--	335	--	3,592	--	10.7	--	58.6	--	10.9	--	1.8	--
E. Shore	14	14	44	87	3.1	6.2	234	244	521	1,217	2.2	5.0	71.8	80.6	9.1	16.9	7.0	3.1
Pat. Henry	7	5	112	146	16.0	29.2	210	177	2,230	1,896	10.6	10.7	66.4	36.6	18.3	15.9	1.6	1.7
R. Bland	9	22	277	595	30.8	27.0	357	896	5,407	6,827	15.1	7.6	49.2	28.1	11.1	16.1	1.3	2.5
2-Yr. Branch Col.	65	76	1,185	1,726	18.2	22.7	2,697	3,072	25,969	26,517	9.6	8.6	52.9	37.9	13.0	15.8	1.7	2.0
All Institutions	1,256	1,402	24,635	31,799	19.6	22.7	53,729	57,877	646,458	770,253	12.0	13.3	61.4	58.6	11.6	12.3	1.4	1.3

TABLE 8 - COMPARISON OF SUMMARY OF LABORATORY UTILIZATION DATA FOR FALL 1967 AND FALL 1968 (DAY CLASSES ONLY)

Institution	1 Number of Rooms		2 Total Room Periods Used Per Week		3 Average Room-Period Use Per Week		4 Number of Student Stations		5 Total Student-Station-Periods Occupied Per Week		6 Average Student-Station-Periods Per Station Per Week		7 Student-Station-Periods Occupied Per Week Per FTE Student		8 Square Feet Per Student-Station-Period Occupied	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
4-Yr. Col. & Univ.:																
Geo. Mason	6	10	120	111	20.0	11.1	166	277	2,193	2,509	13.2	9.1	2.1	1.8	2.7	4.1
Longwood	36	38	221	173	6.1	4.6	890	916	4,520	3,326	5.1	3.6	2.5	1.8	4.5	6.2
Madison	52	51	434	408	8.3	8.0	768	732	9,186	8,304	12.0	11.3	3.2	2.5	3.3	3.4
MWC	39	34	351	219	9.0	6.4	773	728	4,633	3,601	6.0	4.9	2.0	1.7	6.0	7.0
Norfolk State	40	34	649	569	16.2	16.7	1,093	918	14,173	17,430	13.0	19.0	4.8	5.4	3.2	2.4
Old Dominion	85	71	842	800	9.9	11.3	1,502	1,372	18,166	15,712	12.1	11.5	3.5	2.9	3.7	3.6
Radford	22	19	294	240	13.4	12.6	455	393	5,737	4,893	12.6	12.5	1.7	1.5	3.1	3.0
U. Va.	137	142	690	922	5.0	6.5	2,557	2,693	19,141	25,641	7.5	9.5	2.4	3.0	5.3	4.5
VCU	119	100	1,365	1,338	11.5	13.4	2,744	1,943	29,061	29,551	10.6	15.2	5.5	5.8	2.9	2.5
VMI	48	59	233	194	4.9	3.3	1,589	1,704	4,964	4,438	3.1	2.6	3.5	3.2	11.9	16.3
VPI	171	158	1,544	1,163	9.0	7.4	3,235	3,146	40,762	29,904	12.6	9.5	4.2	2.8	4.4	5.8
Va. State	102	100	870	838	8.5	8.4	1,893	1,888	11,829	11,788	6.3	6.2	5.9	5.1	5.6	5.5
Wm. & Mary	65	117	374	391	5.8	3.3	780	1,336	8,438	12,847	10.8	9.6	2.2	3.2	4.0	4.5
4-Yr. Col. & Univ.	922	933	7,987	7,366	8.7	7.9	18,445	18,046	172,803	169,944	9.4	9.4	3.5	3.2	4.3	4.4
Community Col.:																
Blue Ridge CC	6	6	36	115	6.0	19.2	152	152	782	2,221	5.1	14.6	1.3	3.4	6.1	2.1
Central Va. CC	--	16	--	197	--	12.3	--	360	--	3,516	--	9.8	--	5.9	--	4.5
D. Lancaster CC	5	5	117	119	23.4	23.8	129	129	1,661	1,773	12.9	13.7	8.5	6.9	3.2	3.0
Danville CC	--	24	--	392	--	16.3	--	615	--	8,407	--	13.7	--	9.0	--	4.1
Frederick CC	--	13	--	109	--	8.4	--	303	--	1,695	--	5.6	--	3.7	--	4.7
John Tyler CC	13	9	218	177	16.8	19.7	283	197	3,176	3,033	11.2	15.4	4.0	2.9	4.0	3.3
Northern Va. CC	8	9	96	278	12.0	30.9	229	244	2,309	5,905	10.1	24.2	1.5	4.6	3.7	1.7
Southwest Va. CC	--	4	--	88	--	22.0	--	96	--	1,846	--	19.2	--	3.2	--	2.0
T. Nelson CC	--	10	--	154	--	15.4	--	280	--	3,215	--	11.5	--	3.8	--	2.6
Va. Western CC	19	18	319	283	16.8	15.7	292	279	6,158	5,510	21.1	19.7	6.0	5.1	2.1	2.3
Wytheville CC	--	5	--	111	--	22.2	--	147	--	2,509	--	17.1	--	4.3	--	1.8
Community Col.	51	119	786	2,023	15.4	17.0	1,085	2,802	14,086	39,630	13.0	14.1	3.4	4.8	3.1	3.0
2-Yr. Branch Col.:																
C. Newport	9	8	89	88	9.9	11.0	192	168	1,764	1,540	9.2	9.2	3.4	3.3	5.4	5.5
Cl. Valley	12	9	107	108	8.9	12.0	307	218	2,197	1,903	7.2	8.7	4.5	3.1	5.3	4.7
Danville	5	--	87	--	17.4	--	186	--	2,186	--	11.8	--	6.6	--	2.9	--
E. Shore	3	3	12	6	4.0	2.0	32	58	126	122	3.9	2.1	2.2	1.7	6.6	10.9
Pat. Henry	1	1	30	19	30.0	19.0	24	24	526	326	21.9	13.6	4.3	2.7	1.3	2.1
R. Bland	11	14	238	193	21.6	13.8	251	325	3,119	1,771	12.4	5.4	6.4	4.2	2.8	7.2
2-Yr. Branch Col.	41	35	563	414	13.7	11.8	992	793	9,918	5,662	10.0	7.1	5.0	3.3	3.8	5.7
All Institutions	1,014	1,087	9,336	9,803	9.2	9.0	20,522	21,641	196,807	215,236	9.6	9.9	3.5	3.4	4.2	4.2

TABLE 9 - COMPARISON OF SUMMARY OF PHYSICAL EDUCATION ROOM UTILIZATION DATA FOR FALL 1967 AND FALL 1968 (DAY CLASSES ONLY)

Institution	1 Number of Rooms		2 Total Room-Periods Used Per Week		3 Average Room-Period Use Per Week		4 Total Student-Station-Periods Occupied Per Week		5 Student-Station-Periods Occupied Per Week Per FTE Student		6 Square Feet Per Student-Station-Period Occupied	
	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968	1967	1968
4-Yr. Col. & Univ.:												
Geo. Mason	1	1	8	6	8.0	6.0	122	132	0.1	0.1	8.2	7.1
Longwood	5	2	71	64	14.2	32.0	1,428	1,548	0.8	0.9	6.4	5.4
Madison	3	4	132	144	44.0	36.0	4,247	3,376	1.5	1.0	2.8	4.3
MWC	7	6	67	180	9.6	30.0	2,817	2,849	1.2	1.3	5.2	4.9
Norfolk State	2	4	55	160	27.5	40.0	1,803	2,994	0.6	0.9	10.3	7.3
Old Dominion	7	5	98	166	14.0	33.2	5,252	7,355	1.0	1.4	3.0	1.9
Radford	3	2	119	87	39.7	43.5	2,578	1,905	0.8	0.6	5.8	7.1
U. Va.	11	12	117	95	10.6	7.9	2,074	3,058	0.3	0.4	14.8	10.1
VCU	3	2	64	48	21.3	24.0	2,060	1,193	0.4	0.2	4.7	7.5
VMI	6	7	45	33	7.5	4.7	1,051	1,122	0.7	0.8	31.2	34.2
VPI	6	6	126	171	21.0	28.5	5,407	6,216	0.6	0.6	5.0	4.4
Va. State	4	4	74	79	18.5	19.8	1,657	1,589	0.8	0.7	15.0	15.7
Wm. & Mary	10	10	209	208	20.9	20.8	4,667	4,207	1.2	1.1	9.0	10.0
-Yr. Col. & Univ.	68	65	1,185	1,441	17.4	22.2	35,163	37,544	0.7	0.7	7.2	6.9
ommunity Col.:												
Blue Ridge CC	--	--	--	--	--	--	--	--	--	--	--	--
Central Va. CC	--	--	--	--	--	--	--	--	--	--	--	--
D. Lancaster CC	--	--	--	--	--	--	--	--	--	--	--	--
Danville CC	--	--	--	--	--	--	--	--	--	--	--	--
Frederick CC	--	5	--	22	--	4.4	--	570	--	1.2	--	350.9
John Tyler CC	--	--	--	--	--	--	--	--	--	--	--	--
Northern Va. CC	--	--	--	--	--	--	--	--	--	--	--	--
Southwest Va. CC	--	--	--	--	--	--	--	--	--	--	--	--
T. Nelson CC	--	--	--	--	--	--	--	--	--	--	--	--
Va. Western CC	--	--	--	--	--	--	--	--	--	--	--	--
Wytheville CC	--	--	--	--	--	--	--	--	--	--	--	--
mmunity Col.	--	5	--	22	--	4.4	--	570	--	0.1	--	350.9
Yr. Branch Col.:												
C. Newport	4	6	53	55	13.3	9.2	1,248	1,280	2.4	2.8	13.6	13.6
Cl. Valley	5	10	40	54	8.0	5.4	643	906	1.3	1.5	7.8	16.4
Danville	--	--	--	--	--	--	--	--	--	--	--	--
E. Shore	--	--	--	--	--	--	--	--	--	--	--	--
Pat. Henry	--	--	--	--	--	--	--	--	--	--	--	--
R. Bland	2	2	32	28	16.0	14.0	432	508	0.9	1.2	9.0	7.7
Yr. Branch Col.	11	18	125	137	11.4	7.6	2,323	2,694	1.6	1.6	11.1	13.5
Institutions	79	88	1,310	1,600	16.6	18.2	37,486	40,808	0.7	0.6	7.4	12.1